

Express Mail No.: EV529817338US  
International Application No.: PCT/EP2004/003394  
International Filing Date: March 31, 2004  
Preliminary Amendment Accompanying  
Substitute Specification

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method of operating a wind power installation, the method comprising:

wherein detecting a first light intensity is detected in a region of direct light irradiation; and

detecting a second light intensity is detected in a shadowed region; and  
wherein

shutting down the wind power installation is shut down if the a difference  
between the first light intensity and the second light intensity is greater than a predetermined value.

2. (Currently Amended) A method according to claim 1 which  
wherein shutsshutting down the wind power installation includes shutting down the wind  
power installation only at a predetermined position of the a sun.

3. (Currently Amended) A method according to claim 2  
charaeterised in thatwherein the wind power installation is at least temporarily shut down at a predetermined position of the sun.

4. (Currently Amended) A method according to claim 2 or claim 3  
charaeterised in thatwherein the predetermined positions of the sun at which shutdown of the wind power installation can be triggered are stored in the wind power installation or at a control and/or data processing apparatus associated with the wind power installation.

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5. (Currently Amended) A method according to claim 1, one of the preceding claims characterised in that further comprising:

determining the difference between light and shadow is determined by means of using a plurality of light sensors; and

effecting an evaluation can be effected from the ascertained determined difference by means of using a data processing program.

6. (Currently Amended) A wind power installation, for carrying out the method according to one of the preceding claims comprising:

first means for detecting light intensity in a first region;

second means for detecting light intensity in a second region that is less illuminated relative to the first region; and

a data processing apparatus which controls the wind power installation and in which are stored the positions of the sun or values representative in that respect thereof, in respect of which wherein shutdown of the wind power installation can take place based at least in part on a comparison between the detected light intensities and the stored positions of the sun or values representative thereof.

7. (Currently Amended) A wind power installation according to claim 6 characterised in that wherein the wind power installation is coupled to a plurality of light sensors that comprise the first and second means, by means of which the respectively current intensity of light and shadow or the intensity of light and shadow ascertained over a certain time is measured, and that wherein the data determined by the light sensors are processed by the data processing apparatus and shutdown of the wind power installation is effected if the difference between light and shadow is above a predetermined value when if a predetermined position of the sun is assumed.

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8. (Currently Amended) A wind power installation according to claim 7 ~~characterised in that~~wherein at least three substantially uniformly spaced sensors are arranged around the wind power installation.

9. (Currently Amended) A wind power installation according to claim 6, one of claims 6 to 8 characterised in that the installation has further comprising a display device, by means of which the to reproduce a status of shadow-based shutdown can be reproduced.

10. (Currently Amended) A wind power installation according to ~~one of claims 6 to 9 characterised in that, claim 6 wherein~~ beyond the stored positions of the sun, fresh positions of the sun for further immission points can be stored, which is effected by ~~means of suitable~~ programming.

11. (Currently Amended) A wind farm having a plurality of wind power installations according to ~~one of the preceding claims~~claim 6.

12. (New) A wind power installation comprising a data processing apparatus which controls the wind power installation and in which are stored the positions of the sun or values representative in that respect, in respect of which shutdown of the installation can take place,

characterised in that the wind power installation is coupled to at least three light sensors which are arranged uniformly spaced around the wind power installation and by means of which the respectively current intensity of light and shadow or the intensity of light and shadow ascertained over a certain time is measured, and that the data determined by the light sensors are processed by the data processing apparatus and shutdown of the wind power installation is effected if the difference between light and

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shadow is above a predetermined value when a predetermined position of the sun is assumed.

13. (New) A wind power system, comprising:  
a first detector to detect a first light intensity in a first region;  
a second detector to detect a second light intensity in a second region, the second light intensity being a lower light intensity relative to the first light intensity; and  
a control system to disable at least a portion of the wind power system if a difference between the first light intensity and the second light intensity is greater than a value.

14. (New) The wind power system of claim 13 wherein the first and second detectors comprise part of a plurality of substantially uniformly spaced detectors to detect light intensity at different regions.

15. (New) The wind power system of claim 13 wherein the control system can disable the portion of the wind power system based on a comparison of a value associated with the detected first and second light intensities with stored values associated with a position of a sun.

16. (New) The wind power system of claim 15 wherein the control system can use software to perform the comparison of the value associated with the detected first and second light intensities with stored values associated with the position of the sun.